

Appl. No.: 09/620,786

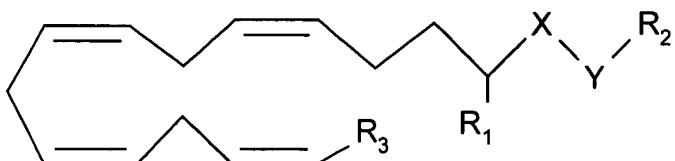
Response to Office communication dated: 10/19/2005

Attorney Docket: UCONAP/145/PC/US

AMENDMENT TO THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A compound of the formula:



wherein X is one of the group consisting of C=O and NH and Y is the other of that group;

R₁ is selected from the group consisting of H, CH₃ and alkyl ;

R₂ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, alkynyl, O-alkyl, cycloalkyl, polycyclic, heterocyclic, CH₂CH=CH₂, C≡CH, CH(R)CH₂Z, CH₂CH(R)Z and CH(R)(CH₂)_nCH₂Z, R being selected from the group consisting of H, CH₃, CH₂CF₃ and (CH₃)₂, Z being selected from the group consisting of H, halogens, N₃, NCS and OH and n being selected from the group consisting of 0, 1 and 2; and

R₃ is selected from the group consisting of alkyl, substituted alkyl, aryl, alkylaryl, O-alkyl, O-alkylaryl, cyclic radical, heterocyclic radical, n-C₅H₁₀Z', n-C₆H₁₂Z', n-C₇H₁₄Z' and 1',1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' being selected from the group consisting of H, halogens, CN, N₃, NCS and OH;

with the proviso that:

~~when X is C=O and Y is NH and R₁ is H and R₃ is selected from the group consisting of n-C₅H₁₁, n-C₆H₁₃ and n-C₇H₁₅, then Z can not be halogen or OH; and~~

~~when X is C=O and Y is NH and R₃ is alkyl, then R₂ can not be alkyl, OH substituted alkyl or heterocyclic~~

when X is C=O, Y is NH, R₁ is H, R₃ is n-C₅H₁₀Z' and Z' is H, then R₂ can not be selected from the group consisting of C₁₋₅ alkyl, CH₂CH₂OH, CH(CH₃)CH₂OH, (CH₂)_mOH (where m = 1-10), CH(CH₃)CH₂F and CH₂CH₂OMe; and

when X is C=O, Y is NH, R₁ is H, R₃ is selected from n-C₆H₁₂Z', n-C₇H₁₄Z', and

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1'1'-C(CH₃)₂(CH₂)₅CH₂Z' and Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl and (CH₂)_mOH (where m = 1-10).

2. (previously presented) The compound of claim 1 wherein X is NH, Y is C=O, R₁ = H, R₂ = CH(R)CH₂Z, R = CH₃ and Z = F, and R₃ = n-C₅H₁₀Z', Z' = H.

3. (previously presented) The compound of claim 1 wherein X is NH, Y is C=O, R₁ = H, R₂ = CH(R)CH₂Z, R = CH₃ and Z = I, and R₃ = n-C₅H₁₀Z', Z' = H.

4. (original) The compound of claim 1 wherein R₁ = H, R₂ = CH(R)CH₂Z, R = CH₃ and Z = N₃, and R₃ = n-C₅H₁₀Z', Z' = H.

5. (previously presented) The compound of claim 1 wherein X is NH, Y is C=O, R₁ = H, R₂ = CH(R)CH₂Z, R = H and Z = Cl, and R₃ = n-C₅H₁₀Z', Z' = H.

6. (previously presented) The compound of claim 1 wherein X is NH, Y is C=O, R₁ = H, R₂ = CH(R)(CH₂)_nCH₂Z, R = H and n = 1 and Z = Cl, and R₃ = n-C₅H₁₀Z', Z' = H.

7. (previously presented) The compound of claim 1 wherein R₁ = H, R₂ = CH₂CH(R)Z, R = CH₃ and Z = Cl, and R₃ = n-C₅H₁₀Z', Z' = H.

8. (previously presented) The compound of claim 1 wherein R₁ = H, R₂ =

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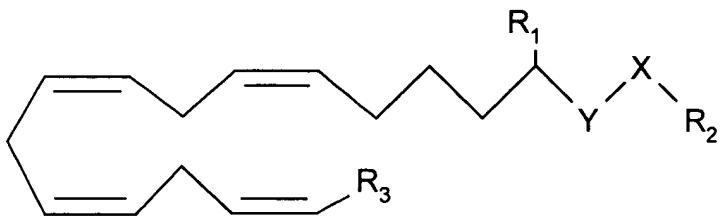
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CH₂CH=CH₂ or C≡CH, and R₃ = n-C₅H₁₀Z', Z' = H.

9. (original) The compound of claim 1 wherein R₁ = H, R₂ = CH₂CF₃, and R₃ = n-C₅H₁₀Z', Z' = H.

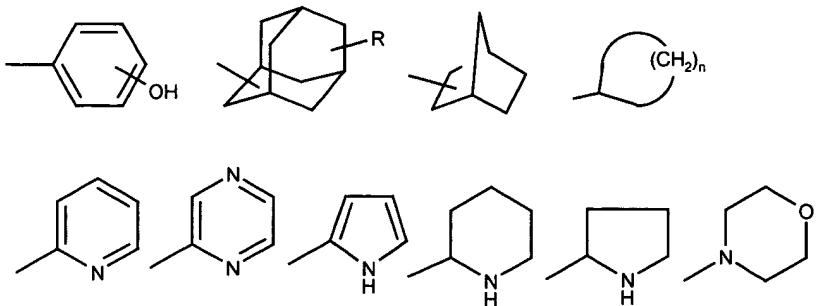
10. (currently amended) A compound of the formula:



wherein X is one of the group consisting of C=O and NH and Y is the other of that group;

R₁ is selected from the group consisting of H, CH₃ and alkyl ;

R₂ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, alkynyl, O-alkyl, cyclic group, polycyclic group, heterocyclic group,



CH=CH₂, CH=C(CH₃)₂, C≡CH, CH₂OCH₃, CH(R)(CH₂)nCH₂Z and CH₂CH(R)(CH₂)nZ, R being selected from the group consisting of H and CH₃, Z being selected from the group consisting of H, halogens, N₃, NCS, OH and OAc and n being selected from the group consisting of 0, 1 and 2; and

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R_3 is selected from the group consisting of alkyl, substituted alkyl, aryl, alkylaryl, O-alkyl, O-alkylaryl, cyclic group, heterocyclic group, n-C₅H₁₀Z', n-C₆H₁₂Z', n-C₇H₁₄Z' and 1',1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' being selected from the group consisting of H, halogens, CN, N₃, NCS and OH;

with the proviso that:

~~when X is NH and Y is C=O and R₄ is H and R₃ is selected from the group consisting of n-C₅H₁₁, n-C₆H₁₃, and n-C₇H₁₅, then Z can not be halogen or OH; and~~

~~when Y is C=O and X is NH and R₃ is alkyl, then R₂ can not be alkyl, OH substituted alkyl or heterocyclic~~

when Y is C=O, X is NH, R₁ is H, R₃ is n-C₅H₁₀Z' and Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl, CH₂CH₂OH, CH(CH₃)CH₂OH, (CH₂)_mOH (where m = 1-10), CH(CH₃)CH₂F and CH₂CH₂OMe; and

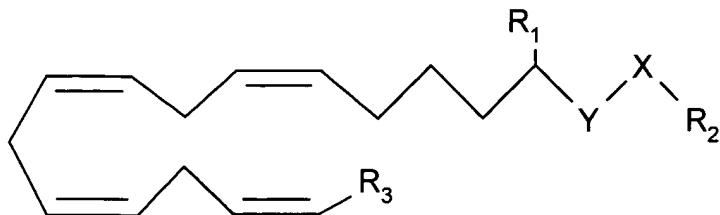
when Y is C=O and X is NH, R₁ is H, R₃ is selected from n-C₆H₁₂Z', n-C₇H₁₄Z' and 1'1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl and (CH₂)_mOH (where m = 1-10).

11. (cancelled)

12. (original) The compound of claim 10 wherein R₁ = H, R₂ = CH(R)(CH₂)_nCH₂Z, R = H and Z = OAc and n = 0; and R₃ = n-C₅H₁₀Z', Z' = H.

13. (cancelled)

14. (currently amended) A medicinal preparation prepared from a compound comprising:



wherein X is one of the group consisting of C=O and NH and Y is the other of that group;

R₁ is selected from the group consisting of H and alkyl radicals;

R₂ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, alkynyl O-alkyl, cyclic group, polycyclic group and heterocyclic group; and

R₃ is selected from the group consisting of alkyl, substituted alkyl, O-alkyl, aryl, alkylaryl, O-alkylaryl, cyclic and heterocyclic radicals;

with the proviso that:

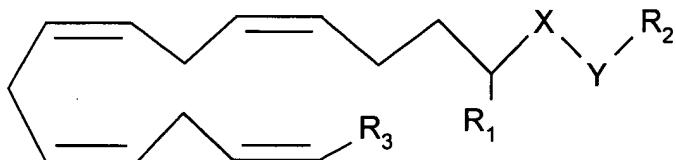
~~when X is NH and Y is C=O and R₁ is H and R₃ is selected from the group consisting of n-C₆H₁₁, n-C₆H₁₃, and n-C₇H₁₅, then Z can not be halogen or OH; and~~

~~when Y is C=O and X is NH and R₃ is alkyl, then R₂ can not be alkyl, OH substituted alkyl or heterocyclic~~

when Y is C=O, X is NH, R₁ is H, R₃ is n-C₅H₁₀Z' and Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl, CH₂CH₂OH, CH(CH₃)CH₂OH, (CH₂)_mOH (where m = 1-10), CH(CH₃)CH₂F and CH₂CH₂OMe; and

when Y is C=O and X is NH, R₁ is H, R₃ is selected from n-C₆H₁₂Z', n-C₇H₁₄Z', and 1'1'-C(CH₃)₂(CH₂)₅CH₂Z', and Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl and (CH₂)_mOH (where m = 1-10).

15. (currently amended) A medicinal preparation prepared from a compound comprising:



wherein X is one of the group consisting of C=O and NH and Y is the other of that group;

R₁ is selected from the group consisting of H and alkyl radicals;

R₂ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, alkynyl, O-alkyl, cycloalkyl, polycyclic and heterocyclic radicals; and

R₃ is selected from the group consisting of alkyl, substituted alkyl, O-alkyl, aryl, alkylaryl, O-alkylaryl, cyclic and heterocyclic radicals

with the proviso that:

~~when X is C=O and Y is NH and R₁ is H and R₃ is selected from the group consisting of n-C₅H₁₁, n-C₆H₁₃ and n-C₇H₁₅, then Z can not be halogen or OH; and~~

~~when X is C=O and Y is NH and R₃ is alkyl, then R₂ can not be alkyl, OH substituted alkyl or heterocyclic~~

when X is C=O, Y is NH, R₁ is H, R₃ is n-C₅H₁₀Z' and Z' is H, then R₂ can not be selected from the group consisting of C₁₋₅ alkyl, CH₂CH₂OH, CH(CH₃)CH₂OH, (CH₂)_mOH (where m = 1-10), CH(CH₃)CH₂F and CH₂CH₂OMe; and

when X is C=O, Y is NH, R₁ is H, R₃ is selected from n-C₆H₁₂Z', n-C₇H₁₄Z', and 1'1'-C(CH₃)₂(CH₂)₅CH₂Z' and Z' is H, then R₂ cannot be selected from the group consisting of C₁₋₅ alkyl and (CH₂)_mOH (where m = 1-10).

16. (previously presented) A compound of claim 1 wherein:

R₁ is selected from the group consisting of H, CH₃ and alkyl;

R₂ is selected from the group consisting CH₂CH=CH₂, C≡CH, CH(R)CH₂Z,

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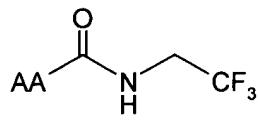
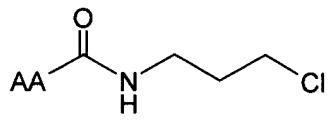
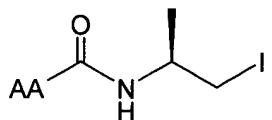
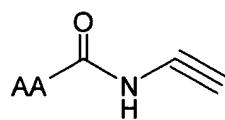
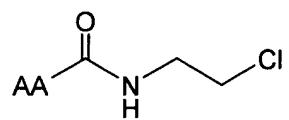
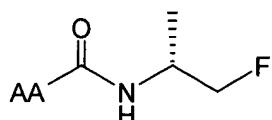
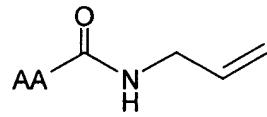
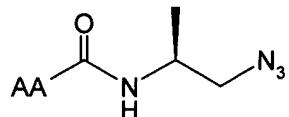
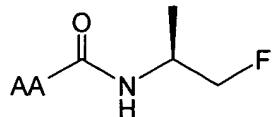
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$\text{CH}_2\text{CH}(\text{R})\text{Z}$ and $\text{CH}(\text{R})(\text{CH}_2)\text{nCH}_2\text{Z}$, R being selected from the group consisting of H, CH_3 , CH_2CF_3 and $(\text{CH}_3)_2$, Z being selected from the group consisting of H, halogens, N_3 , NCS and OH and n being selected from the group consisting of 0, 1 and 2; and

R_3 is selected from the group consisting of $\text{n-C}_5\text{H}_{10}\text{Z}'$, $\text{n-C}_6\text{H}_{12}\text{Z}'$, $\text{n-C}_7\text{H}_{14}\text{Z}'$ and $1',1'\text{-C}(\text{CH}_3)_2(\text{CH}_2)_5\text{CH}_2\text{Z}'$, Z' being selected from the group consisting of H, halogens, CN, N_3 , NCS and OH.

17. (previously presented) A compound of claim 1 selected from:



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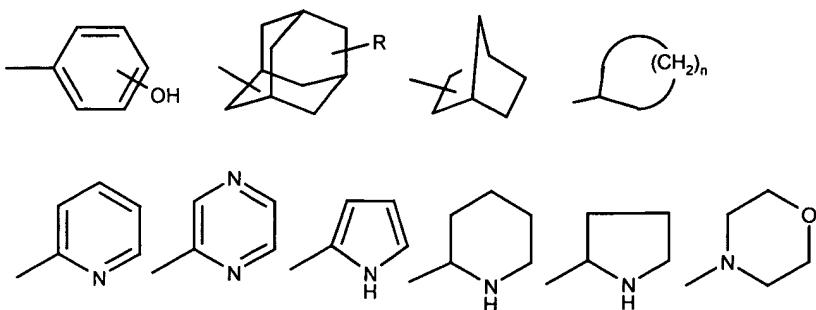
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18. (previously presented) A compound of claim 10, wherein:

R₁ is selected from the group consisting of H, CH₃ and alkyl;

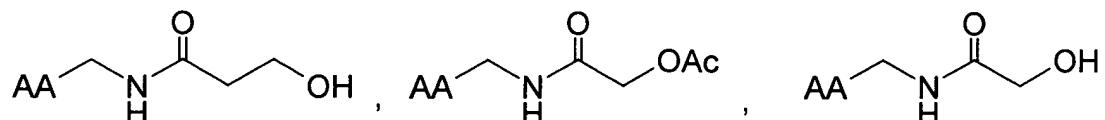
R₂ is selected from the group consisting of



CH=CH₂, CH=C(CH₃)₂, C≡CH, CH₂OCH₃, CH(R)(CH₂)_nCH₂Z and CH₂CH(R)(CH₂)_nZ, R being selected from the group consisting of H and CH₃, Z being selected from the group consisting of H, halogens, N₃, NCS, OH and OAc and n being selected from the group consisting of 0, 1 and 2; and

R₃ is selected from the group consisting of n-C₅H₁₀Z', n-C₆H₁₂Z', n-C₇H₁₄Z' and 1',1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' being selected from the group consisting of H, halogens, CN, N₃, NCS and OH.

19. (previously presented) A compound of claim 10 selected from:



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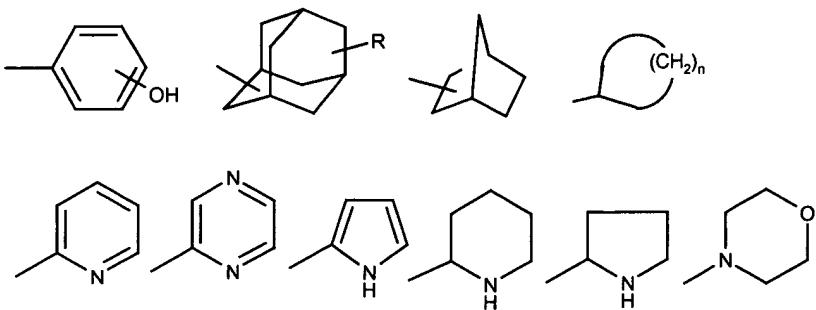
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20. (previously presented) A medicinal preparation of claim 14, wherein:

R₁ is selected from the group consisting of H and CH₃;

R₂ is selected from the group consisting of



CH=CH₂, CH=C(CH₃)₂, C≡CH, CH₂OCH₃, CH(R)(CH₂)_nCH₂Z and CH₂CH(R)(CH₂)_nZ, R being selected from the group consisting of H and CH₃, Z being selected from the group consisting of H, halogens, N₃, NCS, OH and OAc and n being selected from the group consisting of 0, 1 and 2; and

R₃ is selected from the group consisting of n-C₅H₁₀Z', n-C₆H₁₂Z', n-C₇H₁₄Z' and 1',1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' being selected from the group consisting of H, halogens, CN, N₃, NCS and OH.

21. (previously presented) A medicinal preparation of claim 15, wherein:

R₁ is selected from the group consisting of H and CH₃;

R₂ is selected from the group consisting of CH₂CH=CH₂, C≡CH, CH(R)CH₂Z, CH₂CH(R)Z and CH(R)(CH₂)_nCH₂Z, R being selected from the group consisting of H, CH₃, CH₂CF₃ and (CH₃)₂, Z being selected from the group consisting of H, halogens, N₃, NCS and OH and n being selected from the group consisting of 0, 1 and 2; and

R₃ is selected from the group consisting of n-C₅H₁₀Z', n-C₆H₁₂Z', n-C₇H₁₄Z' and 1',1'-C(CH₃)₂(CH₂)₅CH₂Z', Z' being selected from the group consisting of H, halogens, CN, N₃, NCS and OH.

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22. (new) The compound of claim 1 wherein R₂ is selected from the group consisting of

